Title (en)

EXHAUST GAS TREATMENT SYSTEM AND TREATMENT METHOD

Title (de)

RAUCHGASBEHANDLUNGSSYSTEM UND RAUCHGASBEHANDLUNGSVERFAHREN

Title (fr)

SYSTÈME ET PROCÉDÉ DE TRAITEMENT DE GAZ D'ÉCHAPPEMENT

Publication

EP 3031514 B1 20180509 (EN)

Application

EP 15783948 A 20150617

Priority

- JP 2014227579 A 20141107
- JP 2015067447 W 20150617

Abstract (en)

[origin: US2016129395A1] The present invention provides a flue gas treatment system and a flue gas treatment method that enable the stable long-term operation of a plant by reducing NOx in a combustion flue gas and reducing the concentration of SO3 more compared with that available conventionally. The flue gas treatment method of removing NOx and SO3 in the gas that includes NOx and SO3 includes a denitration and SO3 reduction step of denitrating the gas and reducing SO3 into SO2, in which NH3 as a first additive and a second additive including one or more selected from the group consisting of an olefinic hydrocarbon expressed by a general formula: CnH2, (n is an integer of 2 to 4) and a paraffinic hydrocarbon expressed by a general formula: CmH2m+2 (m is an integer of 2 to 4) are added to the gas before bringing the gas into contact with a catalyst.

IPC 8 full level

B01D 53/86 (2006.01); **B01D 53/50** (2006.01); **B01J 23/30** (2006.01)

CPC (source: EP KR US)

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Citation (examination)

DE 2811788 A1 19780928 - JOHNSON MATTHEY CO LTD

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DOCDB simple family (application)

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